

ABSTRACT OF THE DISCLOSURE

A transmission-and-receiving switching circuit includes a signal input-and-output end to which an antenna is connected; a transmission circuit connected to the signal input-and-output end through a first switching diode; a receiving circuit connected to the signal input-and-output end through a second switching diode; and first and second inductor elements for feeding bias voltages to the first switching diode and the second switching diode respectively.

5 A first resonant circuit contains a first capacitor element and the first inductor element for at least series resonating between the first switching diode and ground. The series resonant frequency of the first resonant circuit is about

10 equal to a frequency of a signal other than the transmission signal output from the transmission circuit.

15